

Appl. No. 09/461,110
Amtd. Dated June 21, 2005
Reply to Office action of April 21, 2005
Attorney Docket No. P10796-US1
EUS/J/P/05-3143

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 -16. (Canceled)

17. (Currently Amended) In a wireless telecommunications system, a
[[A]] method of for synchronizing configuring data, which is utilized for proper operation
of a base station, and is stored in a base station database with corresponding
configuring data stored in [[a]] one or more source units each unit having a database for
storing configuring data mobile services switching center (MSC) database, the base
station database and the source unit databases MSC database each being arranged in
a single data group or a plurality of data groups within each database, the method
comprising the steps of:

calculating a reference checksum checksums for each of the data groups in the
base station database and the source unit MSC database, wherein the data groups in
the base station database correspond with the data groups in the one or more source
units;

monitoring all base station data groups;

comparing a calculated checksum of each data group in the base station
database to the reference checksum of each corresponding data group in the one or
more source units MSC database; and

requesting a copy of the base station MSC data group for which a mismatch is
found, to be downloaded to the base station database from the corresponding one or
more source units upon detecting a mismatch between [[a]] the corresponding one or
more source units data group's reference checksum and the corresponding calculated
checksum.

18. (Currently Amended) The method of claim 17, further comprising:

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subsequent to the step of calculating reference checksums, downloading the corresponding one or more source units MSC data group reference checksums to the base station, wherein the reference checksum in each data group in the corresponding one or more source units MSC database is [[are]] calculated using the content of the corresponding one or more source units MSC configuring data.

19. (Currently Amended) The method of claim 17, wherein the step of comparing the corresponding one or more source units MSC data group reference checksums to corresponding calculated base station data group checksums is initiated upon detecting operation disturbances in the base station.

20. (Currently Amended) The method of claim 17, wherein the step of comparing the corresponding one or more source units MSC data group reference checksums to the corresponding calculated base station data group checksums further comprises repeating the comparison on a regular basis.

21. (Previously Presented) The method of claim 20, further comprising repeating the comparison on a regular basis having a predetermined time interval between each comparison.

22. (Previously Presented) The method of claim 20, further comprising performing the comparison for each data group in the base station database, wherein an individual time interval between comparisons is predetermined for each data group.

23. (Currently Amended) The method of claim 17, further comprising the steps of:

performing checksum calculations of the configuring data for each base station data group; and

comparing the calculated checksums to the reference checksums received from the corresponding one or more source units MSG.

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24. (Currently Amended) The method of claim 17, wherein the base station data groups are classified according to the need for the content of each data group, wherein the configuring data in a data group classified as more urgent is downloaded to the base station prior to downloading configuring data in a data group classified as less urgent and copies of the corresponding one or more source unit's MSC configuring data for each data group are downloaded as needed in order according to the classification of the data group, wherein a source unit comprises a mobile switching center (MSC).

25. (Currently Amended) In a wireless telecommunications system, [[A]] a system for synchronizing configuring data stored in a base station database with corresponding configuring data stored in a corresponding one or more source units mobile services switching center (MSC) database, the base station database and the corresponding one or more source units MSC database each being arranged in a single data group or a plurality of data groups within each database, the system comprising:

means for calculating a reference checksum checksums for each of the data groups in the base station database and the corresponding one or more source units MSC database;

means for monitoring all base station data groups;

comparison means for comparing a calculated checksum of each data group in the base station database to the reference checksum of each corresponding data group in the corresponding one or more source units MSC database; and

means for requesting a copy of the corresponding one or more source units MSC data group for which a mismatch is found, to be downloaded to the base station database from the corresponding source unit data group upon detecting a mismatch between [[a]] the corresponding source unit data group's reference checksum and the corresponding calculated checksum.

26. (Currently Amended) The system of claim 25, further comprising means for downloading the corresponding one or more source units MSC data group

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reference checksums to the base station, wherein the reference checksum in each data group in the corresponding one or more source units MSC database are calculated using the content of corresponding one or more source units MSC configuring data.

27. (Currently Amended) The system of claim 25, further comprising means for initiating comparison of the corresponding one or more source units MSC data group reference checksums to the corresponding calculated base station data group checksums upon detecting operation disturbances in the base station.

28. (Currently Amended) The system of claim 25, further comprising means for repeating the comparison of the corresponding one or more source units MSC data group reference checksums to the corresponding calculated base station data group checksums on a regular basis.

29. (Currently Amended) The system of claim 28, wherein the means for repeating the comparison of the corresponding one or more source units MSC data group reference checksums further comprises means for repeating the comparison on a regular basis having a predetermined time interval between each comparison.

30. (Previously Presented) The system of claim 28, further comprising means for performing the comparison for each data group in the base station database, wherein an individual time interval between comparisons is predetermined for each data group.

31. (Currently Amended) The system of claim 25, further comprising:
means for performing checksum calculations of the configuring data for each base station data group; and
means for comparing the calculated checksums to the corresponding one or more source units MSC data group reference checksums received from the corresponding one or more source units MSC.

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32. (Currently Amended) The system of claim 25, further comprising means for classifying the base station data groups, wherein the base station data groups are classified according to the need of the content of each data group, wherein the configuring data in a data group classified as more urgent is downloaded to the base station prior to downloading configuring data in a data group classified as less urgent and copies of the corresponding one or more source units MSC configuring data for each data group are downloaded as needed in order according to the classification of the data group, wherein a source unit comprises a mobile switching center (MSC).